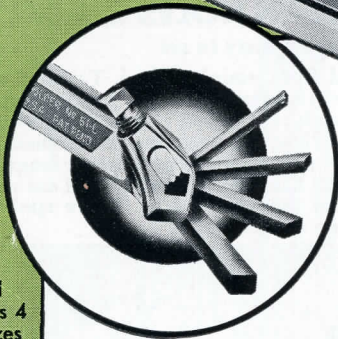


Clark ADJUSTABLE CUTTING TOOLS



Clark ADJUSTABLE TOOL HOLDER

Positive Tool Bit Rigidity Means Higher Speeds, Faster Feeds, Deeper Cuts!

Exclusive, adjustable vise-grip jaw exerts equalized pressure over *full* length of cutter channel. Instead of a different tool holder for every size of tool bit, equalizing grip of Clark Tool Holder rigidly secures, both vertically and horizontally, any size or shape of tool bit within capacity of holder.

Clark Adjustable Tool Holders are drop forged, heat treated and hardened for maximum resistance to mushrooming and wear. This extra strength, together with equalized pressure, prevents wear in channel immediately below set screw. Set screw is National standard thread. In addition to Clark Adjustable Tool Holders with standard 15° cutter channel, there are Clark Parallel Adjustable Tool Holders for carbide bits, threading tools, and boring bars.

Only the Clark Lathe Tool Holder Has ALL These Features:

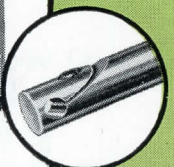
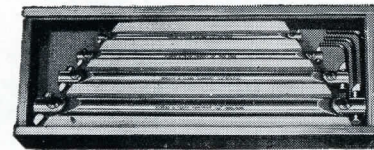
1. Each tool holder takes 4 or more sizes of square or round tool bits.
2. Vise-grip jaw rigidly clamps short tool bits and stub ends.
3. Firmly holds dual and narrow tool bits for cutting-off or special forming operations.
4. Tilted position of head gives operator unobstructed view of cutting edge.
5. Vise-grip securely holds and supports carbide bits, threading tools and boring bars. Protruding underlip prevents breakage.

LEFT HAND No.	RIGHT HAND No.	SIZE OF HOLDER	SIZE OF CUTTERS	A.S.A. STANDARD TOOL POST OPENINGS WIDTH INCHES	APPROX. SIZE OR SWING OF LATHES (Check Tool Post Opening for Correct Shank Size)	APPROX. WEIGHT EACH	PRICE
STANDARD 15° CUTTER CHANNEL							
60L	60R	3/8 x 7/8 x 5 1/2	1/4 3/16 1/4 3/16 3/8 1/2 5/8 3/4	1/2 or 3/8	7 to 12 inches	3/4 #	\$ 7.53
61L	61R	1/2 x 1 1/4 x 6 1/2	3/16 1/4 3/8 1/2 5/8 3/4	3/8 or 1/2	12 to 16 inches	1 1/2 #	8.63
62L	62R	3/4 x 1 1/2 x 8	1/4 3/8 1/2 5/8 3/4	1/2 or 3/4	16 to 20 inches	2 1/2 #	10.52
64L	64R	1 x 1 3/4 x 9 1/2	3/8 1/2 5/8 3/4	3/4 or 1 1/4	20 to 40 inches	5 1/2 #	12.88
PARALLEL CUTTER CHANNEL—For Carbide Tools, Boring Bars, and Threading Tools							
P60L	P60R	3/8 x 7/8 x 5 1/2	1/4 3/16 1/4 3/16 3/8 1/2 5/8 3/4	1/2 or 3/8	7 to 12 inches	3/4 #	\$ 8.34
P61L	P61R	1/2 x 1 1/4 x 6 1/2	3/16 1/4 3/8 1/2 5/8 3/4	3/8 or 1/2	12 to 16 inches	1 1/2 #	9.49
P62L	P62R	3/4 x 1 1/2 x 8	1/4 3/8 1/2 5/8 3/4	1/2 or 3/4	16 to 20 inches	2 1/2 #	11.33
P64L	P64R	1 x 1 3/4 x 9 1/2	3/8 1/2 5/8 3/4	3/4 or 1 1/4	20 to 40 inches	6 #	14.26

Clark LEVER-LOCK BORING BARS . . .

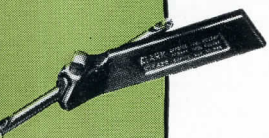
3/16" to 1/2"—High Speed

Tool bit held on extreme end of boring bar without interfering set screws or bolts. Each bar provided with a 15° holding channel in one end and right angle channel in other. Set of 4 come packed in sturdy box. With each bar is one thread tool bit and one cutter for boring. *The set complete with high-speed steel blades* \$11.73



BORING BARS COMPLETE					BLANK BITS (Unground) SOLD ONLY IN STANDARD PACKAGES OF 1/2 DOZEN OF A NUMBER				BORING BITS (Precision Ground) SOLD ONLY IN STANDARD PACKAGES OF 1/2 DOZEN OF A NUMBER				THREAD CUTTING BITS (Precision Ground) Packed 1/2 doz. per size	
BORING BAR NO.	DIAM. IN.	LGTH. IN.	USED WITH CLARK TOOL HOLDER NO.	PRICE EACH HIGH SPEED	HIGH SPEED STEEL (18-4-1 Tungsten)				HIGH SPEED STEEL (18-4-1 Tungsten)				HIGH SPEED STEEL (18-4-1 Tungsten)	
					DIAM. BITS	NO.	PRICE PER DOZ.		DIAM. BITS	NO.	PRICE PER DOZ.		NO.	PRICE PER DOZ.
951	3/16	5	P60R, P61R	\$3.05	3/32	10-951	\$1.66	13-951	3/32	10-951	\$7.18	16-951	16-951	\$7.18
952	1/4	6	P60R, P61R, P62R	3.05	1/8	10-952	1.66	13-952	1/8	10-952	7.18	16-952	16-952	7.18
953	3/8	7	P61R, P62R, P64R	3.39	3/16	10-953	2.21	13-953	3/16	10-953	8.28	16-953	16-953	8.28
954	1/2	8	P62R, P64R	3.85	1/4	10-954	2.76	13-954	1/4	10-954	9.94	16-954	16-954	9.94
959	Set of Four Bars in Box			11.73										

CARBIDE—Blank Carbide Bits for Clark Boring Bars are Standard Stock Items with Carbide Co. and Others.



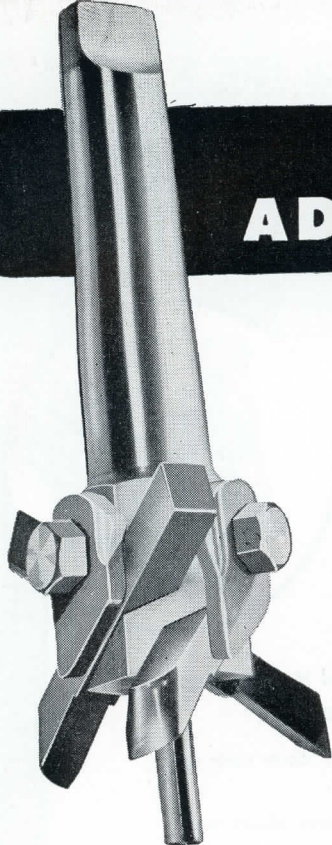
"P" Series Tool Holders rigidly hold boring bars, carbide bits or thread tool bits.

Exclusive Clark Lever-Lock securely grips tool bit.

Robert H. Clark Company

9330 SANTA MONICA BOULEVARD • BEVERLY HILLS, CALIFORNIA

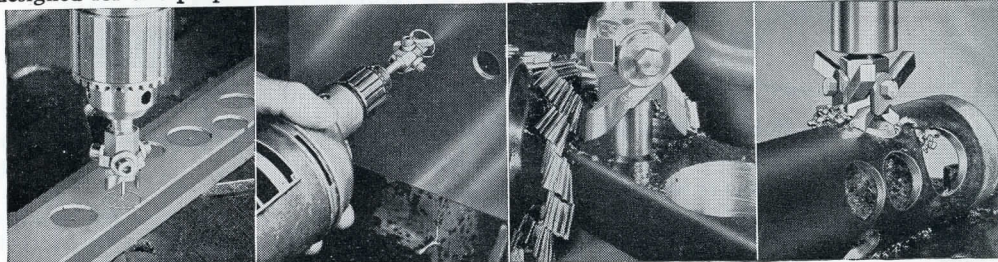
Clark 3-BLADE ADJUSTABLE HOLE CUTTERS



CLARK HOLE CUTTERS CUT ACCURATE, CLEAN HOLES QUICKLY!

Cutter blades are replaceable, easy to sharpen, easy to set

Finished cuts the first time in boiler plate, pipe, plastics, hard fibre, stainless steel, Transite, and other problem materials—no after grinding or chipping necessary. Body is made from carefully selected, heat-treated steel and consists of a tapered or straight shank into which are set 3 high-speed steel blades spaced 120° apart. Clark Hole Cutter is simple to adjust, yet performs more efficiently and has longer life than fixed radius cutters of same size. Models cover variable expansions from 3/8" to 5" holes and have thickness capacities from thin sheets to 1". All Clark Hole Cutters will cut clean holes through curved surfaces—in pipe, tanks, cylinders, etc., but models 4C and 5C are specially designed for this purpose. Pilots are removable to permit the use of lead drills.



NO. 00 WITH RETRACTABLE
PILOT CUTTING PLASTICS

IN PORTABLE DRILL
EASILY CUTS STEEL PLATE

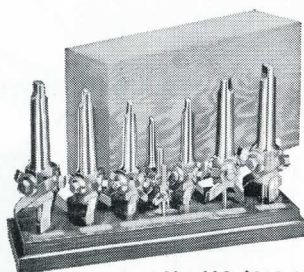
NO. 4C, WITH SPECIAL
PILOT FOR DEEP HOLES

NO. 4C OR 5C, CUTS
CLEAN HOLES IN PIPE

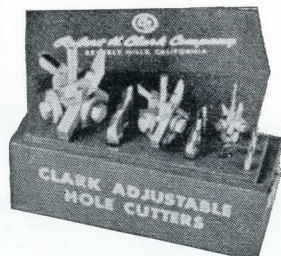
Model No.	Expansion Capacity	Designed for:	Thickness Capacity	Shank Sizes	H. S. Blade Size	Pilot Size	Efficient in:	Recommended Speed	Ship. Wt.	Price	Ex. Blades Set of 3
00	5/8"-1 1/4"	Small Holes, Light Work	1/8"	3/8" SS* or 1/4" SS	3/16"	1/8" (Drill)	Electric Drill	500 R.P.M. or Less	1 lb.	\$11.50	\$2.30
0	3/4"-1 1/2"	Small Holes, Light Work	1/4"	3/8" SS* or 1/2" SS or No. 2 MT	1/4"	3/16"	Light Drill Presses	500 R.P.M. or Less	1	11.50	2.30
1	1"-2 1/2"	Sheet Metal, Plastics, Hard Fibre, Etc.	1/4"	1/2" SS* or 2 MT	5/16"	1/4"	Electric Drills	500 R.P.M. or Less	1 1/2	17.25	4.60
2	1 1/2"-3"	Sheet Metal, Aircraft, Elec. Shops	1/2"	No. 2* MT No. 3 MT	3/8"	3/8"	Pneumatic Drills	100 to 500 R.P.M. in Air Motor	2 1/4	20.70	6.13
3	2"-3 1/2"	Port. Drilling, on Bulkheads, Deck Plates	5/8"	1/2" SS or No. 2* or No. 3 MT	7/16"	3/8"	Light Drill Presses	100 to 500 R.P.M. in Air Motor	2 3/4	23.00	6.90
4	2 1/2"-4"	Ship Deck Plates and Boiler Shops	3/4"	No. 4 MT	1/2"	3/8"	Portable Motor	100 to 500 R.P.M. in Portable	3 3/4	28.75	7.67
4-C	1 1/2"-3"	Curved Surfaces—Pipe, Tanks, Etc.	1/2"	No. 4 MT	1/2"	3/8"	Heavy Drill Press	50 to 125 R.P.M. in Drill Press	3 3/4	28.75	7.67
5	3"-5"	Heavy Duty	1"	No. 4 MT	5/8"	1/2"	Heavy Drill Presses	40 to 100 R.P.M. in Drill Press	5 1/4	34.50	11.50
5-C	2 1/2"-4"	Curved Surfaces—Pipe, Tanks, Etc.	3/4"	No. 4 MT	5/8"	1/2"	Heavy Drill Presses	40 to 100 R.P.M. in Drill Press	5 1/4	34.50	11.50

**Thickness capacities may be doubled where work can be reversed.

*Note: Where there is a choice of shank sizes, those marked with an asterisk will be shipped unless otherwise specified.



Set No. HC \$210.45



Set No. CD3 \$65.55

Clark HOLE CUTTER SETS

Set No. HC consists of one each Hole Cutter No. 00 to 5C, incl., as listed above, mounted in convenient wood crib box. Shipping weight 37 lbs. \$210.45

Set No. HCG with Grinding Fixture.† Shipping weight 40 lbs. \$236.33

Set No. HCX is same as the HC set and includes one set of extra blades for each tool. Shipping weight 42 lbs. \$271.06

Set No. HCXG with Grinding Fixture.† Shipping weight 45 lbs. \$296.90

†Clark Grinding Fixture Model C simplifies grinding and assures accuracy in resharpening Clark Hole Cutter Blades.

Set No. CD3—(Illustrated at lower left and described below).....complete \$65.55

Set includes one each of these tools with an extra set of factory-sharpened blades for each tool and an Allen wrench for No. 00. Packed in a sturdy crib-box that prevents damage to blades, pilots, and shanks.

Model No.	Shank Size	Expansion Capacity*	Thickness Capacity**
00	3/8" S.S.	5/8"-1 1/4"	1/8"
1	1/2" S.S.	1"-2 1/2"	1/4"
3	1/2" S.S.	2"-3 1/2"	5/8"

*Other Clark Cutters covering diameters to 10" may be purchased separately.

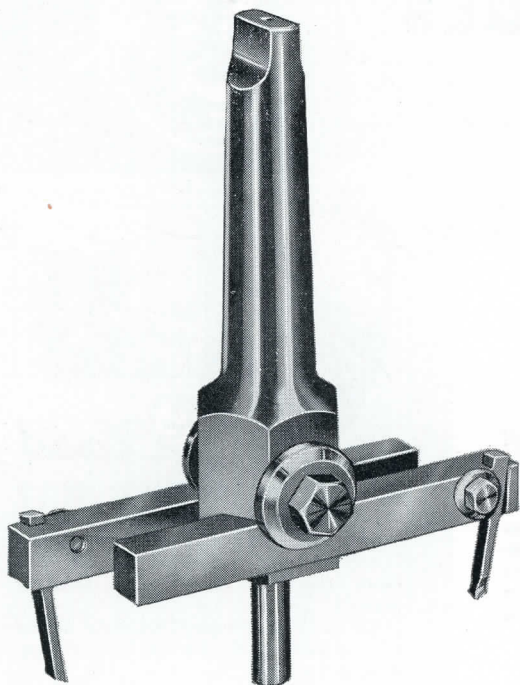
**Thickness capacities may be doubled where work can be reversed.



ADJUSTABLE CUTTING TOOLS FOR ALL MATERIALS

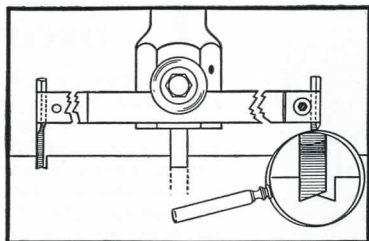
Copyright 1945 R.H.C. Co. Prices apply only in U.S.A. Patents have been issued or are pending on all Clark Cutters in this catalog. FORM NO. CC2-8-54-5000

Clark ADJUSTABLE FLY CUTTERS



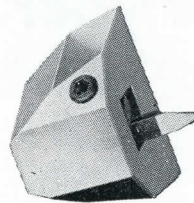
This Clark Adjustable Fly Cutter quickly cuts clean, large diameter holes or discs in metal, plastic and hard-to-work materials. Two models cut all diameters from 2½ to 10 inches with 1-inch thickness capacity.

NOTE: Unique angles at which blades are held and new grinding technique prevent chatter. Shank is heat-treated, pilot is hardened and ground.



Model No.....	22	25
Expansion Capacity	2½"-5"	4"-10"
Thickness Capacity	1"	1"
Shank Size	{ ½" SS or No. 2 or 3 M.T.	{ No. 3 or 4 Morse Taper
Pilot Size	¼"	½"
Shipping Weight	4¼ lbs.	7 lbs.
Price, Each with H.S. Blades....	\$25.88	\$34.50
Extra H.S. Blades, set of 2.....	\$7.67	\$7.67

Clark THREAD TOOL GRINDING FIXTURES



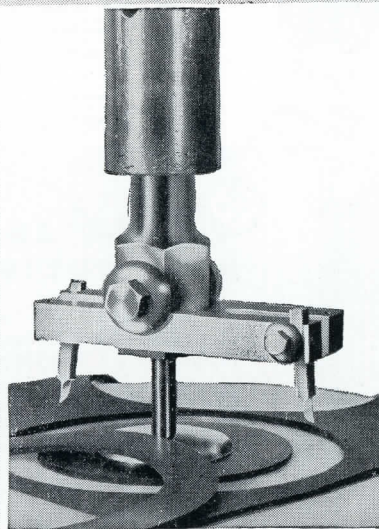
Fixed angles
for 29° or 60°
thread tool bits

No graduated scales or moving parts to wear out. Every compound angle exactly determined to provide correct thread angle and clearance.

Models A and B. Guaranteed tolerance ±5 minutes in grinding both National 60° and Acme 29° left or right hand or straight thread tool bits! May be used on any surface or cutter grinder. Used with magnetic chuck, or clamps to work table.

Model C. Faces pitched at special angles for sharpening Clark 3-Blade Hole Cutter blades.

MODEL	SIZE	CAPACITY	WEIGHT	PRICE With Adaptors
A	2⅜"x2⅞"x1⅝"	⅛"-3⅞" bits	1½ lbs.	\$19.26
B	3¼"x4⅞"x3½"	⅛"-5⅞" bits	6½ lbs.	40.25
B-1	3¼"x4⅞"x3½"	½"-1" bits	7½ lbs.	51.75
C	For Clark Hole Cutter Blades	3⅞"-5⅞" bits	3½ lbs.	25.88



Clark 2-BLADE ADJUSTABLE GASKET CUTTER

Cuts Inside and Outside Circles at the same time!

Cuts gaskets from thin or flexible material including fibre, plastics, live rubber, and similar products. Equipped with two high-speed steel knife-like blades and a *spring action retractable pilot*. A disc with center for pilot point to rest in serves as a clamp to hold flexible material in position and prevents damage to the center of work. *Discs are not furnished with the tool.*

Model No.	22-G	25-G
Expansion Capacity, ins.	2½"-5"	4"-10"
Morse Taper Shank Size	No. 2	No. 3
Retractable Pilot Size..	¼"	½"
Price, Each	\$25.88	\$34.50
Extra Blades Set of 2..	\$7.67	\$7.67

more
Year after year... people say

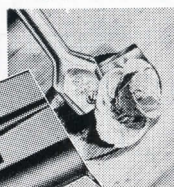


Clark **TOOLS**
are best!



EXPANSIVE BITS

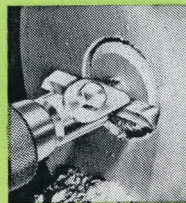
Cut any size hole $\frac{1}{2}$ to 3" in Soft or Hard Wood!
Cut Easier—simplified design, tilted blade, no center lip. • **Tool Steel Blades**—hold sharp cutting edge longer. • **Rust Resistant**—look better, last longer. • **Quick, Accurate Adjustment**—positive lock, no blade slippage. • **Self-Clearing Lead Screw**—constant feed, no loading.



EXPANSIVE BIT SPECIFICATIONS			
Model or Part No.	Length Overall	Expansion Capacity	User's Price
250	7 $\frac{3}{4}$ " sq. shank	$\frac{1}{2}$ " to 1 $\frac{1}{2}$ "	\$2.19
250-S	Short Blade	$\frac{1}{2}$ " to $\frac{7}{8}$ "	.75
250-L	Long Blade	$\frac{7}{8}$ " to 1 $\frac{1}{2}$ "	.85
251	8 $\frac{1}{4}$ " sq. shank	$\frac{7}{8}$ " to 3"	2.39
251-S	Short Blade	$\frac{7}{8}$ " to 1 $\frac{1}{2}$ "	.85
251-L	Long Blade	1 $\frac{1}{2}$ " to 3"	.95

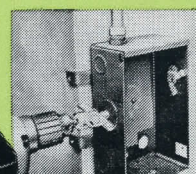
Clark **ADJUSTABLE HOLE CUTTERS**

Cut holes $\frac{3}{8}$ to 2 $\frac{1}{2}$ " in metal, wood, plastics.
Economical—one Clark tool replaces many fixed radius cutters. • **High Speed Steel Blade**—stays sharp longer. • **Long Life**—blade can be sharpened over and over. • **Versatile**—Models 100 and 101 come with straight shanks for use in portable drill or drill press. Models 100-B and 101-B with square shanks for use in hand brace.



SPECIFICATIONS					
Model No.	Shank Size	Expansion Capacity	Thickness Capacity in Metals	Pilot Drill Size	User's Price Extra Blade
100	$\frac{1}{4}$ " str. shank	$\frac{3}{8}$ " & 1 $\frac{1}{2}$ "	* $\frac{1}{8}$ "	$\frac{1}{4}$ "	\$3.00 1.20
100-B	Square Bit Stock	$\frac{3}{8}$ " & 1 $\frac{1}{2}$ "	* $\frac{1}{8}$ "	$\frac{1}{4}$ "	3.00 1.20
101	$\frac{3}{8}$ " str. shank	1" & 2 $\frac{1}{2}$ "	* $\frac{3}{8}$ "	$\frac{3}{8}$ "	4.00 1.70
101-B	Square Bit Stock	1" & 2 $\frac{1}{2}$ "	* $\frac{3}{8}$ "	$\frac{3}{8}$ "	4.00 1.70

Prompt delivery • Order from your jobber today or write



HOLE CUTTER KIT

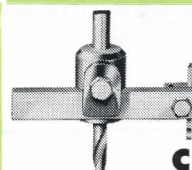
In colorful new plastic protective case.
Adjustable high-speed steel blade cuts clean holes $\frac{3}{8}$ to 2 $\frac{1}{2}$ " in metal, wood or plastics.

Kit No. 790 contains Clark Hole Cutters with straight shanks for use in drill press or portable drill.

Kit No. 790-B contains Clark Hole Cutters with square shanks for use in hand brace

KIT SPECIFICATIONS

790 Kit	Contains one each of Models 100 & 101	$\frac{3}{8}$ " to 2 $\frac{1}{2}$ "	\$7.50
790-B Kit	Contains one each of Models 100-B & 101-B	$\frac{3}{8}$ " to 2 $\frac{1}{2}$ "	7.50



Clark **ADJUSTABLE CIRCLE CUTTER**

Cuts $\frac{1}{8}$ to 8" holes in sheet metal, wood, plastics, etc.

For use in any standard drill press, wood-working machine or suitable mounted spindle machine.

Combination drill pilot and high-speed steel cutting blade takes a clean, fast cut, throws out chips, and does not clog.

Easy to sharpen or adjust.

SPECIFICATIONS

Model No.	Exp. Cap.	Shank Size	Pilot Drill Size	Thickness Cap.	User's Price
105	1 $\frac{7}{8}$ " to 8"	$\frac{1}{2}$ "	$\frac{3}{8}$ "	Fibre, Wood Metal $\frac{1}{4}$ " Plastics $\frac{1}{2}$ "	17.50
Replacement Blades, high-speed steel, each \$1.80					



Robert H. Clark Company

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Nationally Advertised and Guaranteed